

Venkata Ravitheja Yelleswarapu

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OBJECTIVE

Highly motivated, hard working, and independent learning undergraduate seeking a research experience in biomedical engineering that deals with tissue engineering, drug delivery, gene therapy, or nanobiotechnology.

EDUCATION

Boston University College of Engineering, Boston, MA

- Bachelors of Science in Biomedical Engineering, Expected May 2014
 - Concentration in Nanotechnology
- GPA: 3.97/4.0 (Dean's List)
- Trustee Scholar- most prestigious merit-based award at Boston University that recognizes students who show outstanding academic and leadership abilities
- University Honors College – An honors program for the highest-achieving students that draws on the full range of resources at Boston University initiated with the Class of 2014

RELATED EXPERIENCE

Joe Tien Group

Spring 2011

- Current project goals are to measure the physical properties of collagen gels based on different initial conditions created in the preparation phase

BU Biomedical Optics Lab Volunteer

Summer 2010

- Collected data to measure diffuse reflectance from various types of tissue phantoms
- Worked on designing setups that would effectively capture diffuse reflectance

Young Scholars Program at Northeastern University

Summer 2009

- Explored how to digitally stain cancerous cells to avoid excisions by using confocal and hyperspectral imaging under the guidance of Professor Charles DiMarzio
- Analyzed images using Matlab to measure transmission spectra for specific cell structures
- Went on weekly trips to research institutes such as Biogen Idec, Natick Army Base, etc.

RELEVANT COURSEWORK

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|-----------------------------------------------------|------------------------------------|
| • Seeing Small Things (Microscopy) | • Physics I |
| • Chemistry I/II | • Intro to Engineering Computation |
| • Principles of Molecular Biology and Biotechnology | |

ACTIVITIES

Vice President of Students for Advancement in Nanotechnology (SANT), Biomedical Engineering Society, Caritas Norwood Hospital Radiology Volunteer (Recognition for 500+ Hours of Service)

SKILLS

Computer: MATLAB, Excel, Word, PowerPoint